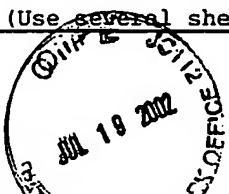


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EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
P65 LG	4 6 4 2 3 3 4	2/10/87	Moore et al.	530	568	
	4 8 1 6 3 9 7	3/28/89	Boss et al.	435	48	
	5 1 1 6 9 6 4	5/26/92	Capon et al.	536	27	
	5 4 2 8 1 3 0	6/27/95	Capon et al.	530	350	
	5 5 9 8 4 3 5	12/16/97	Robinson et al.	435	240	
	5 8 7 4 2 5 3	2/23/99	Tsujimoto et al.	435	69.4	
	5 8 7 6 9 6 1	3/2/99	Crowe et al.	435	69.1	
	5 9 1 9 7 5 8	7/6/99	Sytkowski	514	8	
	5 9 3 2 5 4 6	8/3/99	Barrett et al.	514	14	
	6 0 4 0 1 3 6	3/21/00	Garrard et al.	435	5	

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

P65	Steven E. Cwirla et,al. "Peptide Agonist of the Thrombopoietin Receptor as Potent as the Natural Cytokine". June 13,1997. Science- Vol.276 pp. 1696-1699.
	Erkki Koivunent et,al. "Selection of Peptides Binding to the 5b1 Integrin from Phage Display Library". September 25,1993. The J. of Biological Chemistry. Vol.268, No.27, pp. 20205-20210.
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	Judith M. Healy et,al. "Peptide Ligands for Integrin avb3 Selected from Random Phage Display Libraries". January 13,1995 Biochemistry Vol.34, No. 12, 1995. pp.3948-3955.

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	6 1 7 2 1 9 7	1/9/01	McCafferty et al.	530	387.3	
	5 9 6 9 1 0 8	10/19/99	McCafferty et al.	530	387.3	
	5 2 2 3 4 0 9	6/29/93	Ladner et al.	435	69.1	
	5 8 3 7 5 0 0	11/17/98	Ladner et al.	435	69.7	
	5 5 7 1 6 9 8	11/5/96	Ladner et al.	435	69.7	
LAW	5 7 5 0 3 7 3	5/12/98	Garrard et al.	435	69.4	

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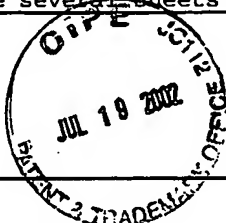
PBT	Shana M. Barbas et,al. "Regonition of DNA by Synthetic Antibodies". November 10,1993. J. AM. Chem. Soc., Vol.116, No.5. pp. 2161-2162.
	Shana M. Barbas et,al. "Human autoantibody reconition of DNA". March 1995. Proc. Natl. Acad. Sci. USA. Vol 92, pp.2529-2533
	Thomas A. Kunel. "Rapid and efficient site-specific mutagenesis without phenotypic selection". January 1985. Proc. Natl. Acad. Sci. USA Vol.82, pp.488-492.
	Su-jun Deng et,al. "Synthetic Antibody Gene Libraries for In Vitro Affinity Maturation". 1995, Methods in Molecular Biolog, Vol.51: Antibody Engineering Protcols. Pp.329-342.

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	APPLICANT Bowdish et al.	GROUP Art Unit: 1645
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	5 9 6 5 4 0 5	10/12/99	Winter et al.	435	69.6	
	5 8 6 9 4 5 1	2/9/99	Dower et al.	435	69.6	
Pbf	6 0 0 8 0 2 3	12/28/99	Oppen et al.	435	69.7	

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Pbf	Timo Hiltunen et,al. "Assembly of Humanized Antibody Genes from Synthetic Oligonucleotides Using a Single-Round PCR". March 10,1994. BioTechniques Vol.17, No.2.
	Xu-Bao Shi et,al. "Rapid PCR Construction of a Gene Containing Lym-1 Antibody Variable Regions". August, 1993. PCR Methods-And-Applications Vol.3, No.1. pp. 46-53.
Pbf	Achim Knappik et,al. "Fully Sythetic Human Combinatorial Antibody Libraries (HuCAL) Based on Modular Consensus Frameworks and CDR's Randomized with Trinucleotides". J. Mol. Biol.(2000). 296. pp.57-86.
	Carlos F. Barbas III et,al. "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site". September 1991. Proc. Natl. Acad. Sci. USA Biochemistry. Vol. 88, pp. 7978-7982.

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Form PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO.  54	SERIAL NO. 10/006,593
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MA	6	0	0	8	0	2	3	12/28/99	Oppen et al.	428	69.7	
MA	5	2	6	0	4	1	7	11/9/93	Grant et al.	530	351	
FA	5	5	9	3	6	6	6	1/14/97	McDonald	<del>424</del>	<del>85.1</del>	

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION

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Pb	Robert E. Hawkins et,al. " Selection of Phage Antibodies by Binding Affinity". April,1992. J. Mol. Biol. 226, pp.889-896.
	Alexander A. Kortt et,al. "Recombinant anti-sialidase single-chain variable fragment antibody". 1994. Eur. J. Biochem. 221, pp.151-157.
Pb	Kaija Alfthan et,al. "Properties of a single-chain antibody containing different linker peptides". 1995. Protein Engineering Vol.8, No.7, pp.725-731.
	Dennis R. Burton et,al. "Human Antibodies from Combinatorial Libraries". 1994, Advances in Immunology, Vol.57, pp.191-280.

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<p>ppr</p>	Robert E. Hawkins et,al. " Selection of Phage Antibodies by Binding Affinity". April,1992. J. Mol. Biol. 226, pp.889-896.
	Alexander A. Kortt et,al. "Recombinant anti-sialidase single-chain variable fragment antibody". 1994. Eur. J. Biochem. 221, pp.151-157.
	Kaija Alfthan et,al. "Properties of a single-chain antibody containing different linker peptides". 1995. Protein Engineering Vol.8, No.7, pp.725-731.
	Dennis R. Burton et,al. "Human Antibodies from Combinatorial Libraries". 1994, Advances in Immunology, Vol.57, pp.191-280.

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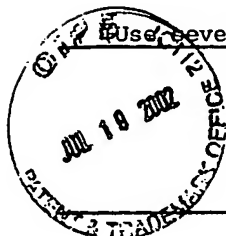
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P05 1	Irene M. Lang et,al. "Purification of Storage Granule Protein-23". November 22, 1996. The J. of Biological Chemistry. Vol. 271, No.47, pp.30126-30135.
	Don L. Siegel et,al. " Isolation of cell surface-specific human monoclonal antibodies using phage display and magnetically-activated cell sorting: applications in immunohematology". 1997, J. of Immunological Methods, 206 pp.73-85.
	John de Kruif et,al. "Leucine zipper Dimerized Bivalent and Bispecific scFv Antibodies from a Semi-synthetic Antibody Phage Display Library". March 29, 1996, The J. of Biological Chemistry, Vol.271, No.13, pp.7630-7634.
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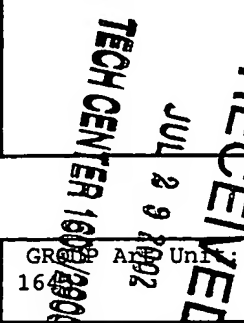
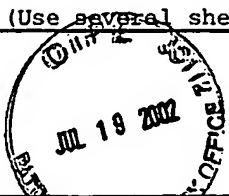
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)	APPLICANT Bowdish et al.	
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P65 1	Philipp Holliger et,al. "Engineering bispecific antibodies". 1993, Biotechnology, Vol.4, pp.446-449.
	Sheri A. Kostelny et,al. "Formation of a Bispecific Antibody By The Use Of Leucine Zippers". March 1,1992, The J. of Immunology, Vol,148, No.5, pp.1547-1553.
	Baek Kim et,al. "Dimerization of a Specific DNA-Binding Protien on the DNA". January 1992, Science, Vol.255, pp.203-206.
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P6T 1		Karl E. Klose et,al. "The major Dimerization Determinants of the Nitrgen Regulatory Protein NTRC from Enteric Bacteria Lie in Its Carboxy-terminal Domain". (1994) J. Mol. Biol. Vol.241, pp.233-245.
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		Paola Gallinari et,al. "Localization of a 34-Amino-Acid Segment Implicated in Dimerization of the Herpes Simplex Virus Type 1 ICP4 Ploypeptide by a Dimerization Trap". June 1994, J. of Virology, Vol.68, No.6, pp.3809-3820.
		Gavin MacBeath et,al. "A Small, Thermosable, and Monofunctional Chorismate Mutase from the Archeon Methanococcu jannaschii". (1998) Biochemestry Vol.37, pp.10062-10073.

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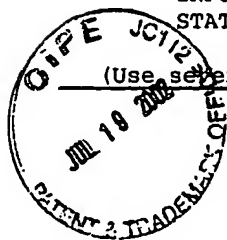
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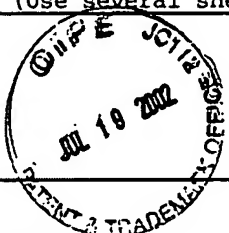
PG 5 1	Gavin MacBeath et, al. "Redesigning Enzyme Topology by Directed Evolution". March 20, 1998, Science. Vol. 279; pp. 1958-1961.
	Paul Carter et, al. "High Level Escherichia Coli Expression and Production of a Bivalent Humanized Antibody Fragment". February 1992, BIO/TECHNOLOGY Vol. 10, pp. 163-167.
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P. 05	Frederic J. de Sauvage et, al. "Stimulation of megakaryocytopoiesis and thrombopoiesis by the c-Mpl ligand". June 1994, Nature, Vol.369, pp.533-538.
	Jonathan G. Drachman et, al. "Thrombopoietin Signal Transduction Requires Functional JAK2, Not TYK2". May 7, 1999, The J. of Biological Chemistry, Vol.274, No.19, pp.13480-13484.
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	Bruce A. Witthuhn et, al. "JAK2 Associates with the Erythropoietin Receptor and Is Tyrosine Phosphorylated and Activated following Stimulation with Erythropoietin". July 30, 1993, Cell, Vol.74, pp.227-236.

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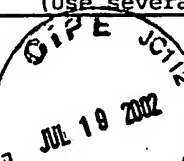
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PG 5		Tim Mosmann "Rapid Colorimetric Assay for Cellular Growth and Survival: Application to Proliferation and Cytotoxicity Assays". (1983) J. of Immunological Methods". Vol.63, pp.5563.
		Toshio Kitamura et.al. "IL-1 up-regulates the expression of cytokine receptors on a factor-dependent human hemopoietic cell line, TF-1". (1991) International Immunology, Vol.3, No.6 pp.571-577.
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		Elaine W. Raines et.al. "Purification of Human Platelet-Derived Growth Factor". (1985) Methods In Enzymology, Vol.109, pp.749-773.

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## FOREIGN PATENT DOCUMENTS

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69		Maria A. DeBernardi et,al. "Single cell Ca2+/cAMP cross-talk monitored by simultaneous Ca2+/cAMP fluorescence ratio imaging". May 1996, Proc. Natl. Acad. Sci. USA, Vol.93, pp.4577-4582, Cell Biology.
		James N. Ihle et, .al. "Signaling Through the Hematopoietic Cytokine Receptors". (1995), Annu. Rev. Immunology, Vol.13, pp.369-398.
		C.J. Eaves "Assays of Hemopoietic Progenitor Cells". Williams Hematology, 5th Edition, Chapter L4, pp.L22-L26.
		John r. Carlson et,al. "Molecular Tools for Inactivating a Yeast Enzyme In Vivo". June 1988, Molecular and Cellular Biology, Vol.8, No.6 pp.2647-2650.

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PDS 1	John J. Trill et,al. "Production of monoclonal antibodies in COS and CHO cells". (1995), Current Opinion in Biotechnology, Vol.6 pp.553-560.
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	L. Stanford Lee et,al. "Prolonged Circulating Lives of Single-Chain Fv Proteins Conjugation Chemistries and Compounds". (1999) Bioconjugate Chemistry, Vol.10, No.6, pp973-981.

EXAMINER  PBM	DATE CONSIDERED  6/18/5
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.